ANNUAL INDEX Volume 16, 1979

First Quarter 1–28 *Third Quarter 65–100*
Second Quarter 29–64 *Fourth Quarter 101–140*

SUBJECT INDEX

Base Plates

Combined Shear and Tension on Grouted Base Details—*Adihardjo and Soltis* 23

Bridges

Prefabricated Press-Formed Steel T-Box Girder Bridge System—*Taly and GangaRao* 75

Box Girders

Prefabricated Press-Formed Steel T-Box Girder Bridge System—*Taly and GangaRao* 75

Columns

Allowable Axial Stresses in Segmented Columns—*Barnes and Mangelsdorf* 11
Combined Shear and Tension on Grouted Base Details—*Adihardjo and Soltis* 23
Analysis and Design of Framed Columns Under Minor Axis Bending—*Kanchanalai and Lu* 29
Discussion—*Nethercot* 136
A Specification for the Design of Steel-Concrete Composite Columns—*Task Group 20, Structural Stability Research Council* 101

Computer Solutions

Strength Design in Steel Using Programmable Calculators—*Anderson* 42
Optimum Design of Steel Pipe Racks—*Arya, Feng and Pincus* 84

Composite Design

Plastic Design of Steel Floor Beams—*Hawes* 127
A Specification for the Design of Steel-Concrete Composite Columns—*Task Group 20, Structural Stability Research Council* 101

Connections

A Fresh Look at Bolted End-Plate Behavior and Design—*Krishnamurthy* (2Q78)
Discussion: *Agerskov* 54
McGuire 55
Griffiths and Wooten 56
Rimmer 59
Krishnamurthy 60
A Simple Formula for the Polar Second Moment of Area of a Regular Skew-Symmetric Bolt Group—*Irvine and Bradfield* 98
Plastic Design of Steel Floor Beams—*Hawes* 127

Design Aids

Plastic Design Aids for Pinned-Base Gabled Frames—*Manolis and Beskos* 1

Deflections

Analysis of Vierendeel Frames for Deflections—*Abdul-Shafi* 18

End Plates

A Fresh Look at Bolted End-Plate Behavior and Design—*Krishnamurthy* (2Q78)
Discussion: *Agerskov* 54
McGuire 55
Griffiths and Wooten 56
Rimmer 59
Krishnamurthy 60

Gable Frames

Plastic Design Aids for Pinned-Base Gabled Frames—*Manolis and Beskos* 1

Girders

Prefabricated Press-Formed Steel T-Box Girder Bridge System—*Taly and GangaRao* 75

Human Response to Building Motion

Human Response to Wind-Induced Motion of Buildings—*Hansen, Reed and Vanmarcke* 66

Multistory Buildings

Human Response to Wind-Induced Motion of Buildings—*Hansen, Reed and Vanmarcke* 66
Efficiency of Tubular Framing for Medium-Height Buildings—*Leffler* 116
Analysis and Design of Framed Columns Under Minor Axis Bending—*Kanchanalai and Lu* 29
Discussion—*Nethercot* 136
Analysis of Vierendeel Frames for Deflections—*Abdul-Shafi* 18

ANNUAL INDEX Volume 16, 1979

First Quarter 1–28 *Third Quarter 65–100*
Second Quarter 29–64 *Fourth Quarter 101–140*

SUBJECT INDEX

Base Plates

Combined Shear and Tension on Grouted Base Details—*Adihardjo and Soltis* 23

Bridges

Prefabricated Press-Formed Steel T-Box Girder Bridge System—*Taly and GangaRao* 75

Box Girders

Prefabricated Press-Formed Steel T-Box Girder Bridge System—*Taly and GangaRao* 75

Columns

Allowable Axial Stresses in Segmented Columns—*Barnes and Mangelsdorf* 11
Combined Shear and Tension on Grouted Base Details—*Adihardjo and Soltis* 23
Analysis and Design of Framed Columns Under Minor Axis Bending—*Kanchanalai and Lu* 29
Discussion—*Nethercot* 136
A Specification for the Design of Steel-Concrete Composite Columns—*Task Group 20, Structural Stability Research Council* 101

Computer Solutions

Strength Design in Steel Using Programmable Calculators—*Anderson* 42
Optimum Design of Steel Pipe Racks—*Arya, Feng and Pincus* 84

Composite Design

Plastic Design of Steel Floor Beams—*Hawes* 127
A Specification for the Design of Steel-Concrete Composite Columns—*Task Group 20, Structural Stability Research Council* 101

Connections

A Fresh Look at Bolted End-Plate Behavior and Design—*Krishnamurthy* (2Q78)
Discussion: *Agerskov* 54
McGuire 55
Griffiths and Wooten 56
Rimmer 59
Krishnamurthy 60
A Simple Formula for the Polar Second Moment of Area of a Regular Skew-Symmetric Bolt Group—*Irvine and Bradfield* 98
Plastic Design of Steel Floor Beams—*Hawes* 127

Design Aids

Plastic Design Aids for Pinned-Base Gabled Frames—*Manolis and Beskos* 1

Deflections

Analysis of Vierendeel Frames for Deflections—*Abdul-Shafi* 18

End Plates

A Fresh Look at Bolted End-Plate Behavior and Design—*Krishnamurthy* (2Q78)
Discussion: *Agerskov* 54
McGuire 55
Griffiths and Wooten 56
Rimmer 59
Krishnamurthy 60

Gable Frames

Plastic Design Aids for Pinned-Base Gabled Frames—*Manolis and Beskos* 1

Girders

Prefabricated Press-Formed Steel T-Box Girder Bridge System—*Taly and GangaRao* 75

Human Response to Building Motion

Human Response to Wind-Induced Motion of Buildings—*Hansen, Reed and Vanmarcke* 66

Multistory Buildings

Human Response to Wind-Induced Motion of Buildings—*Hansen, Reed and Vanmarcke* 66
Efficiency of Tubular Framing for Medium-Height Buildings—*Leffler* 116
Analysis and Design of Framed Columns Under Minor Axis Bending—*Kanchanalai and Lu* 29
Discussion—*Nethercot* 136
Analysis of Vierendeel Frames for Deflections—*Abdul-Shafi* 18

Pipe Racks

Optimum Design of Steel Pipe Racks—*Arya, Feng and Pincus* 84

Plastic Design

Plastic Design of Steel Floor Beams—*Hawes* 127

Plastic Design Aids for Pinned-Base Gabled Frames—*Manolis and Beskos* 1

Trusses

Analysis of Vierendeel Frames for Deflections—*Abdul-Shafi* 18

Tubular Framing

Efficiency of Tubular Framing for Medium-Height Buildings—*Leffler* 116

AUTHOR INDEX

Adihardjo, Rianto and Lawrence Soltis
Combined Shear and Tension on Grouted Base Details . 23
Abdul-Shafi, A.
Analysis of Vierendeel Frames for Deflections 18
Agerskov, Henning
Discussion: A Fresh Look at Bolted End-Plate Behavior and Design (*Krishnamurthy*, 2Q78) 54
Anderson, James C.
Strength Design in Steel Using Programmable Calculators 42
Arya, Suresh C., Edward G. Feng and George Pincus
Optimum Design of Steel Pipe Racks 84
Barnes, D. W. and C. P. Mangelsdorf
Allowable Axial Stresses in Segmented Columns 11
Beskos, Dimitrios E. (see Manolis, George D.)
Bradfield, C. D. (see Irvine, H. M.)
Feng, Edward G. (see Arya, Suresh C.)
GangRao, H. V. S. (see Taly, Narendra)
Griffiths, John D. and J. M. Wooten
Discussion: A Fresh Look at Bolted End-Plate Behavior and Design (*Krishnamurthy*, 2Q78) 56
Hansen, Robert J., John W. Reed and Erik H. Vanmarcke
Human Response to Wind-Induced Motion of Buildings 66
Hawes, William H.
Plastic Design of Steel Floor Beams 127
Irvine, H. M. and C. D. Bradfield
A Simple Formula for the Polar Second Moment of Area of a Regular Skew-Symmetric Bolt Group 98
Kanchanalai, T. and Le-Wu Lu
Analysis and Design of Framed Columns Under Minor Axis Bending 29
Krishnamurthy, N.
Discussion: A Fresh Look at Bolted End-Plate Behavior and Design (*Krishnamurthy*, 2Q78) 60
Leffler, Robert E.
Efficiency of Tubular Framing for Medium-Height Buildings 116
Lu, Le-Wu (see Kanchanalai, T.)
McGuire, W.
Discussion: A Fresh Look at Bolted End-Plate Behavior and Design (*Krishnamurthy*, 2Q78) 55
Manolis, George D. and Dimitrios E. Beskos
Plastic Design Aids for Pinned-Base Gabled Frames ... 1
Mangelsdorf, C. P. (see Barnes, D. W.)
Nethercot, D. A.
Discussion: Analysis and Design of Framed Columns Under Minor Axis Bending (*Kanchanalai and Lu*, 2Q79) 136
Pincus, George (see Arya, Suresh C.)
Reed, John W. (see Hansen, Robert J.)
Rimmer, Norman W.
Discussion: A Fresh Look at Bolted End-Plate Behavior and Design (*Krishnamurthy*, 2Q78) 59
Soltis, Lawrence (see Adihardjo, Rianto)
Taly, Nerendra and H. V. S. GangaRao
Prefabricated Press-Formed Steel T-Box Girder Bridge System 75
Task Group 20, Structural Stability Research Council
A Specification for the Design of Steel-Concrete Composite Columns 101
Vanmarcke, Erik H. (see Hansen, Robert J.)
Wooten, J. M. (see Griffiths, John D.)